

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044165 A2

(51) International Patent Classification⁷: **C12N**

(21) International Application Number:
PCT/US2003/035946

(22) International Filing Date:
10 November 2003 (10.11.2003)

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:

60/426,105	13 November 2002 (13.11.2002)	US
60/433,215	12 December 2002 (12.12.2002)	US
60/453,127	7 March 2003 (07.03.2003)	US
60/454,801	13 March 2003 (13.03.2003)	US
60/465,619	24 April 2003 (24.04.2003)	US
60/465,495	24 April 2003 (24.04.2003)	US
60/491,800	1 August 2003 (01.08.2003)	US

(71) Applicant (for all designated States except US): **INCYTE CORPORATION** [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JIANG, Xin** [US/US]; 14371 Elva Avenue, Saratoga, CA 95070 (US). **BECHA, Shanya, D.** [US/US]; 1 Saint Francis #5508, San Francisco, CA 94107 (US). **BULLOCH, Sean, A.** [US/US]; 175 Calvert Drive #B-102, Cupertino, CA 95014 (US). **CHANG, Hsin-Ru** [US/US]; 326 Treasure Island Drive, Belmont, CA 94002 (US). **CHAWLA, Narinder, K.** [US/US]; 33 Union Square, #712, Union City, CA 94587 (US). **ELLIOTT, Vicki, S.** [US/US]; 3770 Polton Place Way, San Jose, CA 95121 (US). **EMERLING, Brooke, M.** [US/US]; 833 W. Buena Avenue, #2108, Chicago, IL 60613 (US). **GIETZEN, Kimberly, J.** [US/US]; 691 Los Huecos Drive, San Jose, CA 95123 (US). **HAFALIA, April, J.A.** [US/US]; 15

Midvale Drive, Santa Clara, CA 94015 (US). **JACKSON, Alan, A.** [US/US]; 1541 Elwood Drive, Los Gatos, CA 95032 (US). **KABLE, Amy, E.** [US/US]; 9403 Curran Road, Silver Spring, MD 20901 (US). **KHARE, Reena** [IN/US]; 12650 Orella Court, Saratoga, CA 95070 (US). **LEE, Soo Yeun** [US/US]; 40 Westdale Avenue, Daly, CA 94015 (US). **MARQUIS, Joseph, P.** [US/US]; 4428 Lazy Lane, San Jose, CA 95135 (US). **MURAGE, Jagi** [US/US]; 1025 Foxchase Drive, San Jose, CA 95123 (US). **SWARNAKAR, Anita** [CA/US]; 8 Locksley Avenue #5D, San Francisco, CA 94122 (US). **YANG, Yonghong, G.** [UG/US]; 4230 Ranwick Court, San Jose, CA 95118 (US).

(74) Agents: **HAMLET-COX, Diana** et al.; Incyte Corporation, 3160 Porter Drive, Palo Alto, CA 94304 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LIPID-ASSOCIATED PROTEINS

(57) Abstract: Various embodiments of the invention provide human lipid-associated molecules (LIPAM) and polynucleotides which identify and encode LIPAM. Embodiments of the invention also provide expression vectors, host cells, antibodies, agonists, and antagonists. Other embodiments provide methods for diagnosing, treating, or preventing disorders associated with aberrant expression of LIPAM.

WO 2004/044165 A2